Use SSH

The basic terminal SSH access that RunPod exposes is not a full SSH connection and, therefore, does not support commands like SCP. If you want to he

Setup

1. Generate your public/private SSH key pair on your local machine with ssh-keygen -t ed25519 -C "your_email@example.com". This will save



if you're using command prompt in Windows rather than the Linux terminal or WSL, your public/private key pair will be saved to <code>c:\users\{you</code>

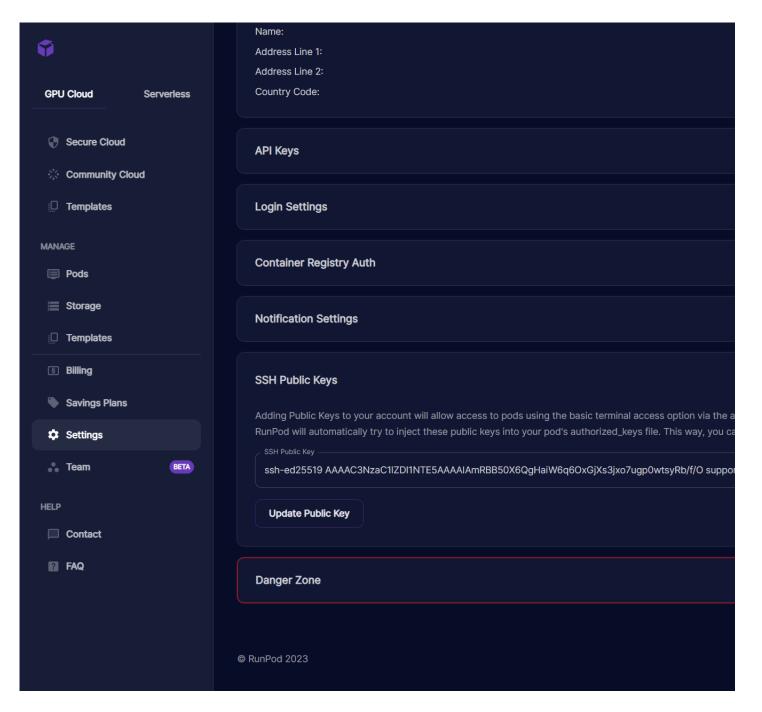
2. Add your public key to your RunPod user settings.

```
Select brand@LAPTOP-300JVE7O: ~

brand@LAPTOP-300JVE7O:/mnt/c/WINDOWS/system32$ cd

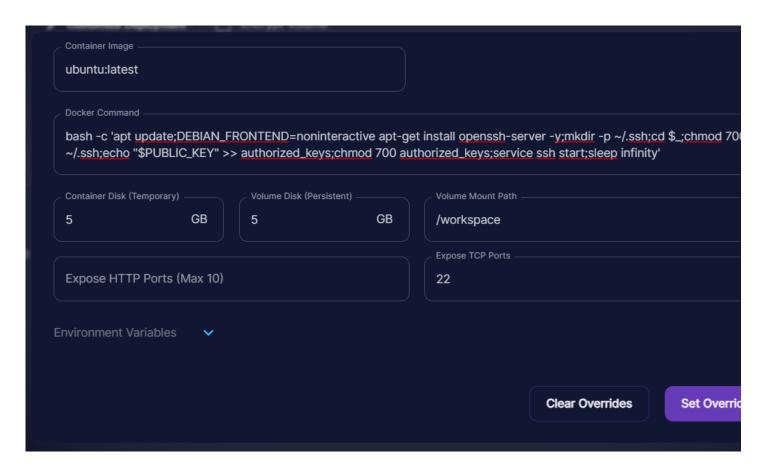
brand@LAPTOP-300JVE7O:~$ cat ./.ssh/id_ed25519.pub

ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIAmRBB50X6QgHaiW6q60xGjXs3jxo7ugp0wtsyRb/f/O support@runpod.io
brand@LAPTOP-300JVE7O:~$
```



- 3. Start your Pod. Make sure of the following things:
- Your Pod supports a public IP, if you're deploying in Community Cloud.
- An SSH daemon is started. If you're using a RunPod official template such as RunPod Stable Diffusion, you don't need to take any additional steps. I an existing start command, replace sleep infinity at the end with your existing command:

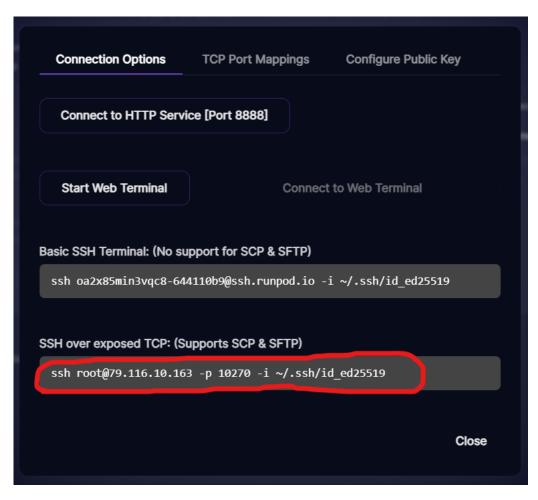
bash -c 'apt update; DEBIAN_FRONTEND=noninteractive apt-get install openssh-server -y; mkdir -p ~/.ssh; cd \$_; chmod 700



Once your Pod is done initializing, you'll be able to SSH into it by running the SSH over exposed TCP command in the Pod's Connection Options menu on

(i) NOTE

- if you're using the Windows Command Prompt rather than the Linux terminal or WSL, and you've used the default key location when generating y SSH command after the -i flag to C:\users\{yourUserAccount}\\.ssh\id_ed25519.
- If you've saved your key to a location other than the default, specify that path you chose when generating your key pair after the -i flag instead.



```
🗘 root@da040708a610: ~
orandon@DESKTOP-B8JOKG3:~$ ssh root@79.116.10.163 -p 10270 -i ~/.ssh/id_ed25519
The authenticity of host '[79.116.10.163]:10270 ([79.116.10.163]:10270)' can't be established.
ED25519 key fingerprint is SHA256:oaBCxAGRMgFqqwvd1dt1N5kj0SsCBYzHREnoJeOCKy4.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '[79.116.10.163]:10270' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.4.0-163-generic x86_64)
* Documentation: https://help.ubuntu.com
* Management:
                   https://landscape.canonical.com
 * Support:
                   https://ubuntu.com/advantage
This system has been minimized by removing packages and content that are
not required on a system that users do not log into.
To restore this content, you can run the 'unminimize' command.
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
oot@da040708a610:~#
```

What's the SSH password?

If you're being prompted for a password when you attempt to connect, something is amiss. We don't require a password for SSH connections. Some cor

- Copying and pasting the key fingerprint (beginning with SHA256:)) into your RunPod user settings instead of the public key itself (the contents of the
- . Omitting the encryption type from the beginning of the key when copying and pasting into your RunPod user settings (i.e., copying the random text,
- Not separating different public keys in your RunPod user settings with a newline between each one (this would result in the first public/private key p

Specifying an incorrect file path to your private key file:

```
Administrator: Command Prompt - ssh root@79.116.24.181 -p 10309 -i ~/.ssh/id_ed25519

Microsoft Windows [Version 10.0.19045.3448]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\system32>ssh root@79.116.24.181 -p 10309 -i ~/.ssh/id_ed25519

Warning: Identity file C:\Users\Brandon/.ssh/id_ed25519 not accessible: No such file or directory. The authenticity of host '[79.116.24.181]:10309 ([79.116.24.181]:10309)' can't be established. ECDSA key fingerprint is SHA256:WC7kmzoFMkLRr/7LbIl8xanj+YrGYCun+QjIXaXF/Z8. Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '[79.116.24.181]:10309' (ECDSA) to the list of known hosts. root@79.116.24.181's password:
```

• Attempting to use a private key that other users on the machine have permissions for:

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